

AMENDMENTS TO THE CLAIMS

1-17. (Canceled).

18. (New) A system for planning the construction of components related to a prosthetic installation, comprising:

a computing system configured to receive data corresponding to a graphical representation of a dental structure of a patient, the dental structure comprising at least a portion of the patient's jawbone, the computing system further configured to receive data corresponding to one or more desired fixture locations in the patient's jawbone, the desired fixture locations determined using, at least in part, the graphical representation of the dental structure of the patient;

a dental template configured to be applied to the patient, the dental template including one or more through-bores configured to guide a drilling tool for drilling one or more holes in the patient's jawbone corresponding to the desired fixture locations, wherein positions of the one or more through-bores are based upon the desired fixture locations determined by the computing system; and

a working model of the dental structure of the patient, the working model formed within the dental template and having surfaces corresponding to inner surfaces of the dental template.

19. (New) The system of Claim 18, further comprising a prosthetic installation that is constructed at least in part using the working model, the prosthetic installation configured to attach to the jawbone of the patient via one or more fixtures configured to be inserted in the one or more holes drilled in the patient's jawbone.

20. (New) The system of Claim 19, wherein the prosthetic installation is configured to be installed using the dental template and the one or more fixtures.

21. (New) The system of Claim 18, wherein the working model is an impression of the template.

22. (New) The system of Claim 18, wherein the working model is made of plaster.

23. (New) The system of Claim 18, wherein the data usable in the construction of the template comprises a CAD file and the template is constructed using a stereolithography machine.

24. (New) A dental assembly, comprising:

a template including a channel configured to follow a contour of and abut against a patient's dental structure, the template comprising an opening extending through the template; and

a sleeve configured to extend at least partially through the opening, the sleeve configured to guide a drill for forming a hole for receiving a dental implant, the sleeve further configured to determine a defined orientation of the implant when the implant is installed in the jawbone of the patient,

wherein the sleeve is adhesively bonded to the template.

25. (New) The dental assembly of Claim 24, wherein the sleeve is adhesively bonded to the template via dental cement.

26. (New) A method of constructing components related to a prosthetic installation, comprising:

providing a template configured to be applied to the patient and to guide a drilling tool for drilling one or more holes in the patient's jawbone corresponding to the desired fixture locations; and

creating a working model of the dental structure using the template.

27. (New) The method of Claim 26, comprising receiving the working model and constructing a prosthetic installation at least in part using the working model, the prosthetic installation configured to attach to the jawbone of the patient via one or more fixtures.

28. (New) The method of Claim 27, wherein the one or more fixtures are configured to be inserted in the one or more holes drilled in the patient's jawbone.

29. (New) The method of Claim 28, wherein the one or more holes drilled in the patient's jawbone are drilled through the template.

30. (New) The method of Claim 26, wherein creating the working model further comprises making an impression of the template.

31. (New) The method of Claim 26, wherein creating the working model further comprises constructing the working model from plaster.

32. (New) The method of Claim 26, further comprising generating a CAD file usable by a stereolithography machine for construction of the template.

33. (New) The method of Claim 32, further comprising receiving data corresponding to a graphical representation of a dental structure of a patient, the dental structure comprising at least a portion of the patient's jawbone.

34. (New) The method of Claim 33, further comprising receiving data corresponding to one or more desired fixture locations in the patient's jawbone, the desired fixture locations determined using, at least in part, the graphical representation of the dental structure of the patient.

35. (New) The method of Claim 26, further comprising forming the dental template using stereolithography technology.

36. (New) The method of Claim 26, further comprising mounting the working model to an articulator.